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(54) Title: POLYNUCLEOTIDES FOR THE DETECTION OF *SALMONELLA* SPECIES

[illegible]

(57) Abstract: Polynucleotide primers and probes for the amplification and detection of *Salmonella* species in samples are provided. The primers and probes can be used in real time diagnostic assays for rapid detection of one or more *Salmonella* species in a variety of situations. Kits comprising the primers and probes are also provided.

		100	120	140	160	
1	B. halodu	AGCTAAGACGCAAACTGTTGAGCTGATTAATTTAGACGCTCATGTAACCTGAATGAGGAGCTCGATGTASGTAAACCAAC	160			
2	B. subtil	AGCGAAACAGGACAAACCTGATGATGATGTCCTTATGAGTGATGCTCCAAATTAATGGACGAGTACGACAGCAAC	160			
3	C. acetob	AATGGAAGTGAGAAATTTGATTTAAATCATTTAGACATAAGCTGGCTAAATTAATGTTTGTAGTCTATCAAAA	160			
4	B. coli	TCTCAAGCAATCATACCGGATATTCGCAATTCGTGATTCGGGATTCGGACAGCAGACCGGTCTGACTGATTTCCGCGCT	160			
5	B. coli	TCTCAAGCAATCATACCGGATATTCGCAATTCGTGATTCGGGATTCGGACAGCAGACCGGTCTGACTGATTTCCGCGCT	160			
6	B. coli	TCTCAAGCAATCATACCGGATATTCGCAATTCGTGATTCGGGATTCGGACAGCAGACCGGTCTGACTGATTTCCGCGCT	160			
7	B. coli	TCTCAAGCAATCATACCGGATATTCGCAATTCGTGATTCGGGATTCGGACAGCAGACCGGTCTGACTGATTTCCGCGCT	160			
8	L. innoc	TGCTGTATCGGAAACACCGAGTTAAATGCACTTGATTAATGCTTCTGAGATGACAGCAAGGCTGTGACTGATTTCCGCGCT	160			
9	L. innoc	TGCTGTATCGGAAACACCGAGTTAAATGCACTTGATTAATGCTTCTGAGATGACAGCAAGGCTGTGACTGATTTCCGCGCT	160			
10	L. mono	TGCTGTATCGGAAACACCGAGTTAAATGCACTTGATTAATGCTTCTGAGATGACAGCAAGGCTGTGACTGATTTCCGCGCT	160			
11	L. mono	TGCTGTATCGGAAACACCGAGTTAAATGCACTTGATTAATGCTTCTGAGATGACAGCAAGGCTGTGACTGATTTCCGCGCT	160			
12	L. mono	TGCTGTATCGGAAACACCGAGTTAAATGCACTTGATTAATGCTTCTGAGATGACAGCAAGGCTGTGACTGATTTCCGCGCT	160			
13	H. tubu	GGCGCGGAAACACCGAGTTAAATGCACTTGATTAATGCTTCTGAGATGACAGCAAGGCTGTGACTGATTTCCGCGCT	160			
14	P.aerug	GGTCAGGGAATACCAACACCGAGTTAAATGCACTTGATTAATGCTTCTGAGATGACAGCAAGGCTGTGACTGATTTCCGCGCT	160			
15	B.typhi	CGTTAAAGAACACCTTCGGGATATTCGCAATTCGTGATTCGGGATTCGGACAGCAGACCGGTCTGACTGATTTCCGCGCT	160			
16	B.typhi	CGTTAAAGAACACCTTCGGGATATTCGCAATTCGTGATTCGGGATTCGGACAGCAGACCGGTCTGACTGATTTCCGCGCT	160			
17	B. enter	CGTTAAAGAACACCTTCGGGATATTCGCAATTCGTGATTCGGGATTCGGACAGCAGACCGGTCTGACTGATTTCCGCGCT	160			
18	B. enter	CGTTAAAGAACACCTTCGGGATATTCGCAATTCGTGATTCGGGATTCGGACAGCAGACCGGTCTGACTGATTTCCGCGCT	160			
19	B. typh	CGTTAAAGAACACCTTCGGGATATTCGCAATTCGTGATTCGGGATTCGGACAGCAGACCGGTCTGACTGATTTCCGCGCT	160			
20	B. typh	CGTTAAAGAACACCTTCGGGATATTCGCAATTCGTGATTCGGGATTCGGACAGCAGACCGGTCTGACTGATTTCCGCGCT	160			
21	B.typhi	CGTTAAAGAACACCTTCGGGATATTCGCAATTCGTGATTCGGGATTCGGACAGCAGACCGGTCTGACTGATTTCCGCGCT	160			
22	B.aureu	CGTGAAGAAGTGAAACAGCAGCAATTAATTAATTTAGATGATTAATGCTTAAAGCAAGACCGGCTTCTGCTTAATAGCGGCT	160			
23	B.aureu	CGTGAAGAAGTGAAACAGCAGCAATTAATTAATTTAGATGATTAATGCTTAAAGCAAGACCGGCTTCTGCTTAATAGCGGCT	160			
24	B. pneu	GGCGAAACAGCAACCGCTTCGATTTATCTCTGCTGATATCACTGTACGACATAATAGAGCGGCGGAAGATTTGTAACGGC	160			
25	Y.pert	CTTACAGCAATCAACCGGCGACATTCGCTAATTCGATCTTGGTTTTCGCGCGTGAAGACGGGTTAAGCCTTATCCGCGCT	160			
26	Y.pert	CTTACAGCAATCAACCGGCGACATTCGCTAATTCGATCTTGGTTTTCGCGCGTGAAGACGGGTTAAGCCTTATCCGCGCT	160			
27	Y.pert	CTTACAGCAATCAACCGGCGACATTCGCTAATTCGATCTTGGTTTTCGCGCGTGAAGACGGGTTAAGCCTTATCCGCGCT	160			
28	Y.pseud	CTTACAGCAATCAACCGGCGACATTCGCTAATTCGATCTTGGTTTTCGCGCGTGAAGACGGGTTAAGCCTTATCCGCGCT	160			

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